

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

38-082-42  
IRONTON QUADRANGLE  
5 OHIO-191 KY.  
N3830-W8230/15  
DIAGRAM NJ 17-4  
HUNTINGTON

Lawrence and Scioto Counties, Ohio;  
Boyd and Greenup Counties, Kentucky

Final adjustment of 1962

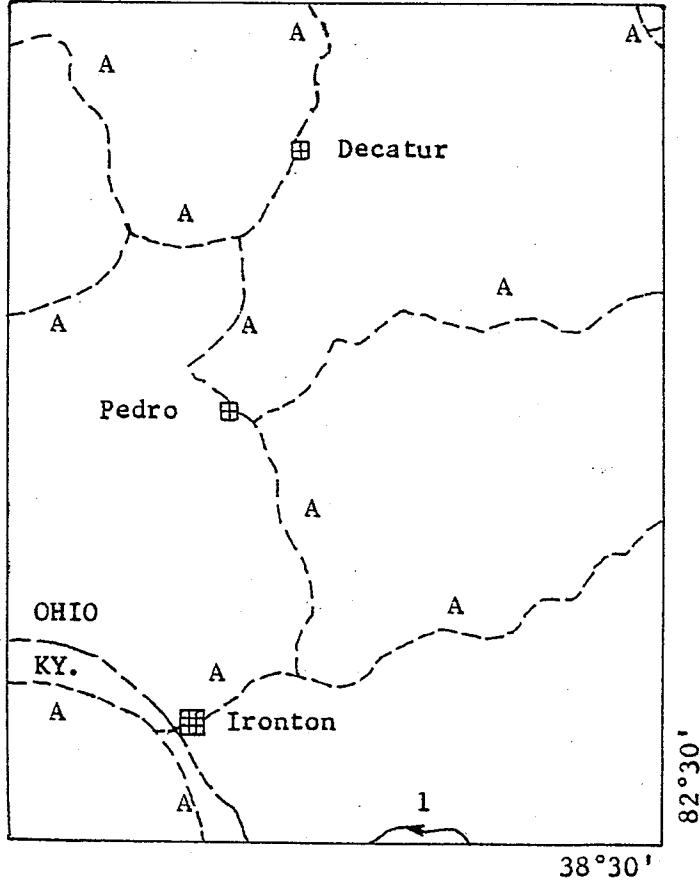
Edition of 5/1/74

PR: LFB/sws

OAK HILL  
(14)

GREENUP  
(192 KY.-6 OHIO)

ATHALIA  
(4 OHIO-71 W.VA.)



CEREDO  
(177 KY.-57 W.VA.-2 OHIO)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 380824

5 OHIO-191 KY.  
IRONTON QUADRANGLE

38-082-42  
N3830-W8230/15

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
544 I	1
1 A1926 KY	1
62 JJS 1956 660	1

IRONTON QUADRANGLE

5 OHIO-191 KY.

38-082-42

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ISOLATED BENCH MARKS (By E. L. McNair, 1897; Book 5618; S. R. Archer  
1926, Book B2541) Feet

Ironton; at intersection of Fourth and Railroad Streets; 1 ft NW. of  
S. corner of Memorial Hall; 3 ft higher than sidewalk; set vertically  
in SW. face of corner of Memorial Hall; standard tablet stamped  
"544 I" (Tied by NGS, 1958) 546.049

Advance; at NW. edge of town (Cheap Post Office); 30 ft NE. and  
55 ft SE. of junction of T-rd. SW. to Indian Run Creek; 5 ft NE.  
of S. corner of lot to residence of Mrs. Callahan; at foot of  
NW. side of fence; in concrete post; standard tablet stamped  
"I A 1926 KY" (Reported disturbed, 1960) 664.306

LINE 1.

(By J. J. Spahr, 1956; Book AV 480a)

Dearing, 0.6 mi W. of junction, along State Highway 243; 3.5 mi. E. of  
Coalgrove; 47 ft SE. of junction of T-rd. S.; 52 ft NW. of NW.  
corner of white frame house NW.; 24 ft SE. of SE. corner of con-  
crete culvert; 5 ft E. of E. bank of branch; 4 ft N. of power pole;  
in concrete post; standard tablet stamped "62 JJS 1956 660" 660.612

Reference mark; 25 ft NW. of tablet; on SW. end of concrete wingwall  
of culvert; chiseled square 659.72

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

38-082-42  
IRONTON QUADRANGLE  
5 OHIO-191 KY.  
N3830-W8230/15  
DIAGRAM NJ 17-4  
HUNTINGTON

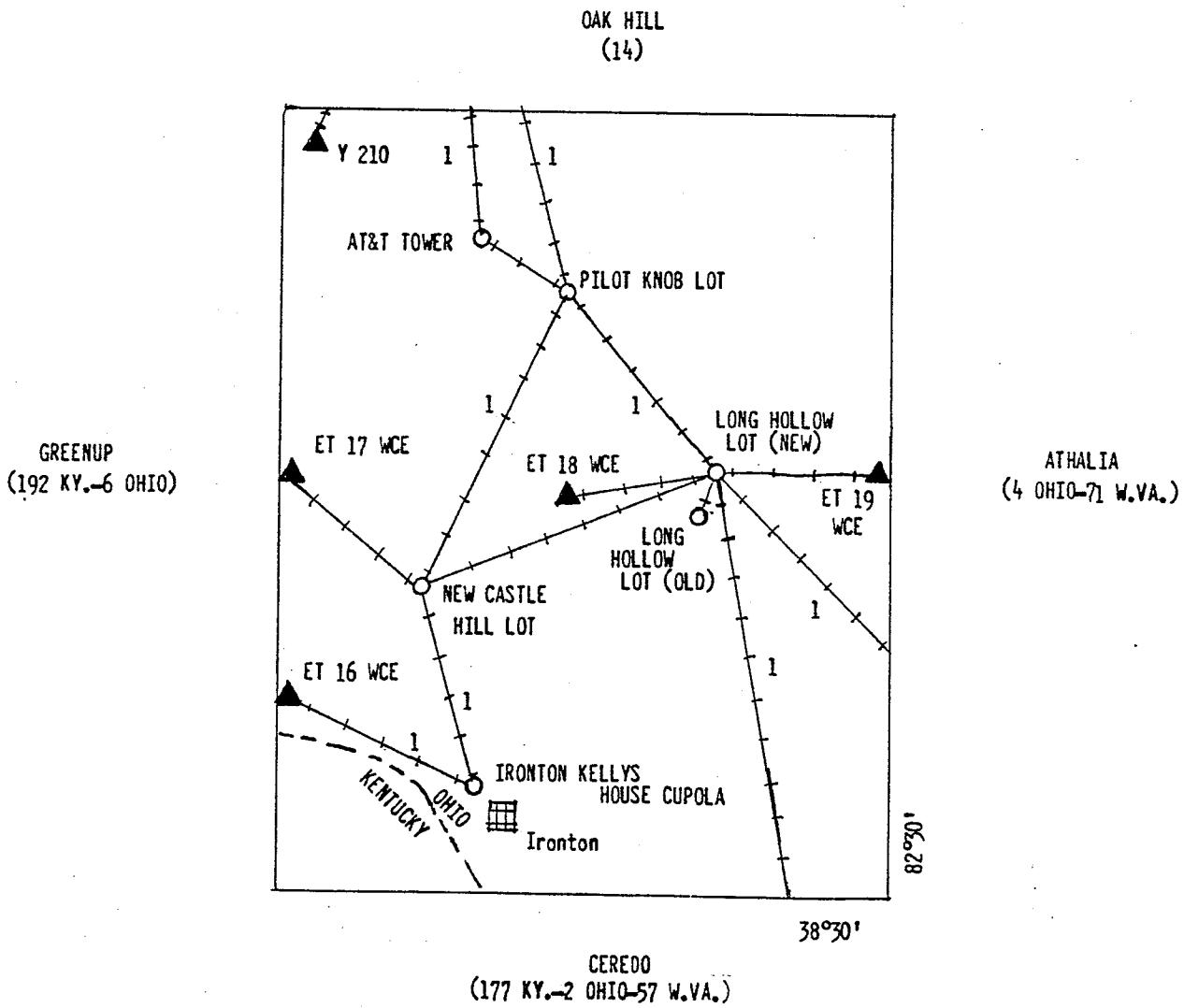
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lawrence and Scioto Counties, Ohio;  
Greenup County, Kentucky

Edition of 5/23/77

PR: CRV/rmm

Plane coordinates are based on Lambert projection,  
Ohio South Zone and Kentucky, North Zone



5 OHIO-191 KY.  
IRONTON QUADRANGLE

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INDEX OF PERMANENT MARKS

MARK (USGS)

	<u>PAGE NO.</u>	<u>LINE NO.</u>
AT & T TOWER	3	1
LONG HOLLOW LOT (old)	3	1
LONG HOLLOW LOT (new)	3	1
NEW CASTLE HILL LOT	4	1
PILOT KNOB LOT	4	1
ET 16 WCE 1958	3	1
ET 17 WCE 1958	3	1
ET 18 WCE 1958	3	1
ET 19 WCE 1958	3	1

NGS

Y 210 1958	3	1
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5 OHIO-191 KY.  
IRONTON QUADRANGLE

38-082-42

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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE	LONGITUDE
		°   '   "	°   '   "

THIRD-ORDER ELECTRONIC TRAVERSE

Final adjustment of 1977

LINE 1.

By W. C. Elder, 1958; Book AH 542

Hanging Rock, 1.2 mi W. of; in sec. 10, T. 1 N., R. 19 W.; in roadside park along U.S. Highway 52; 30 ft W. of pump; in bottom step leading to picnic table; standard tablet stamped "ET 16 WCE 1958" (Not found, 1972)

Ohio S.) X = 1,929,459 Y = 204,817 38 33 43.51 82 44 48.03

Hanging Rock, 5.0 mi NNW. of; in SE. concrete wingwall of bridge over Pine Creek; standard tablet stamped "ET 17 WCE 1958"

X = 1,928,740 Y = 229,942 38 37 51.84 82 44 57.95

Pedro, 1.5 mi E. of; in NW. cor. sec. 23, T. 2 N., R. 18 W.; on wooded hill; 35 ft SE. of blazed pine tree; in concrete post projecting 4 in. above ground; standard tablet stamped "ET 18 WCE 1958"

X = 1,962,928 Y = 228,543 38 37 38.72 82 37 47.12

Aid, 2.8 mi NNW. of; 2.2 mi NE. of Cherryville; in NW. wing of bridge over Symmes Creek; in concrete wingwall; standard tablet stamped "ET 19 WCE 1958"

X = 1,998,830 Y = 231,588 38 38 09.08 82 30 14.74

Lyria; 0.3 mi E. of school; in sec. 10, T. 3 N., R. 19 W.; at junction of graveled rd. E.; in top of W. end of N. abutment of 75-ft bridge over Pine Creek; at W. end of steel structure of W. side of bridge; 2 ft below level of rd.; NGS standard disk stamped "Y 210 1958"

X = 1,932,952 Y = 269,239 38 44 20.39 82 44 06.17

Lyria, 4.1 mi ESE. of; in sec. 20, T. 3 N., R. 18 W.; near rd. junction; center of tower on hill; designated "A T & T TOWER"

X = 1,951,284 Y = 258,080 38 42 30.49 82 40 14.54

Kitts Hill, 4.2 mi N. of; 2.5 mi WNW. of Cherryville; center of tower on hill; designated "LONG HOLLOW LOT" (old)

X = 1,978,515 Y = 226,314 38 37 16.86 82 34 30.70

Kitts Hill, 5.0 mi N. of; 2.7 mi NW. of Cherryville; center of tower of hill; designated "LONG HOLLOW LOT" (new)

X = 1,979,700 Y = 231,431 38 38 07.45 82 34 15.82

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IRONTON QUADRANGLE

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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	°   '   "	°   '   "

LINE I (Cont'd.)

La Grange, 2.1 mi NW. of; 1.0 mi SE. of Pine Grove; in sec. 32, T. 2 N., R. 18 W.; center of tower on hill;  
designated "NEW CASTLE HILL LOT"

Ohio S.)   X = 1,944,816      Y = 217,196      38 35 46.24      82 41 35.03

Vesuvius Furnace, 5.7 mi N. of; 3.2 mi NE. of Center Furnace; in S. part of Sec. 27, T. 3 N., R. 18 W.; in  
center of tower on hill; desingated "PILOT KNOB LOT"

X = 1,961,612      Y = 252,229      38 41 32.83      82 38 04.15

5 OHIO-191 KY.  
IRONTON QUADRANGLE

**MAP CONTROL  
NOT FOR DISTRIBUTION**

38-082-42  
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SUPPLEMENTAL

By W. C. Elder, 1958; Book AH 542

"PILOT KNOB LOT"

Ohio S.) X = 1,961,612 Y = 252,229 38 41 32.83 82 38 04.15

Mecla, 2.0 mi SW. of; 0.9 mi E. of Ohio River in Ironton; SW. pole antenna of two pole antennas; designated "NEW CASTLE LOT + 1"

X = 1,950,648 Y = 195,310 38 32 10.02 82 40 21.06

Hanging Rock, 1.2 mi W. of; in S. part of sec. 10, T. 1 N., R. 19 W.; S. of rd.; 404 ft SE. of ET 16 WCE 1958; reinforcing rod designated "NEW CASTLE LOT + 1 A"

X = 1,929,786 Y = 204,580 38 33 41.18 82 44 43.90

Hanging Rock, 5.0 mi NW. of; 271 ft ESE. of ET 17 WCE 1958; At centerline of rd. opposite fence S.; point designated "NEW CASTLE HILL + 2 A"

X = 1,928,980 Y = 229,816 38 37 50.60 82 44 54.92

Lyria, 0.5 mi WSW. of; E. of rd. on hill; near two trees; reinforcing rod designated "SIMMERING LOT ± 3 A"

X = 1,929,592 Y = 267,896 38 44 07.03 82 44 48.51

Lyria, 0.7 mi NNE. of; on Hill E. of rd. at Silver Trailers; 55 ft NE. of power pole No. 70; designated "SIMMERING LOT + 3 B"

X = 1,933,623 Y = 272,378 38 44 51.44 82 43 57.80

Campbell Post Office, 1.7 mi N. of; 0.2 mi W. of hwy. along Pine Creek; on hillside SSW. of cemetery; reinforcing rod designated "TELEGRAPH HILL HOT + 1 A"

X = 1,960,930 Y = 270,224 38 44 30.70 82 38 13.09

Centerline of rd. W. of Zoar Baptist Church and on line with short fence W.; designated "PPW"

X = 1,963,087 Y = 182,141 38 30 00.06 82 37 44.28

Ironton; 0.9 mi E. of Ohio River; at SW. corner of small building; 4 ft NE. of SW. pole of antenna; designated "PPW"

X = 1,950,652 Y = 195,309 38 32 10.01 82 40 21.01

Hanging Rock, 1.2 mi W. of; in S. part of sec. 10, T. 1 N., R. 19 W.; on N. side of rd.; 5 ft S. of centerline of small building over pump and 8 ft from SE. and SW. corners; designated "PPW"

X = 1,929,483 Y = 204,806 38 33 43.40 82 44 47.72

**MAP CONTROL  
NOT FOR DISTRIBUTION**

5 OHIO-191 KY.  
IRONTON QUADRANGLE

38-082-42  
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**SUPPLEMENTAL (Cont'd.)**

Vesuvius Furnace, 1.4 mi N. of; 1.1 mi ENE. of Pedro; 152 ft SW. of  
ET 18 WCE 1958; designated "PP A"

Ohio S.)    X = 1,962,812    Y = 228,446    38 37 37.76    82 37 48.58

Vesuvius Furnace, 1.4 mi N. of; 1.1 mi ENE. of Pedro; 35 ft NNE. of  
ET 18 WCE 1958; SE. pine tree designated "PP B"

X = 1,962,939    Y = 228,577    38 37 39.06    82 37 46.99

Lyria, 0.7 mi NW. of; in N. central part of sec. 10, T. 3 N., R. 19 W.;  
at centerline of rd. opposite fence E.; designated "PP C"

X = 1,931,264    Y = 272,109    38 44 48.72    82 44 27.56